



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 6

Test Date: March 2009
Code: 12851836
SAU: Southern Aroostook CSD
School: SO Aroostook CSD School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9

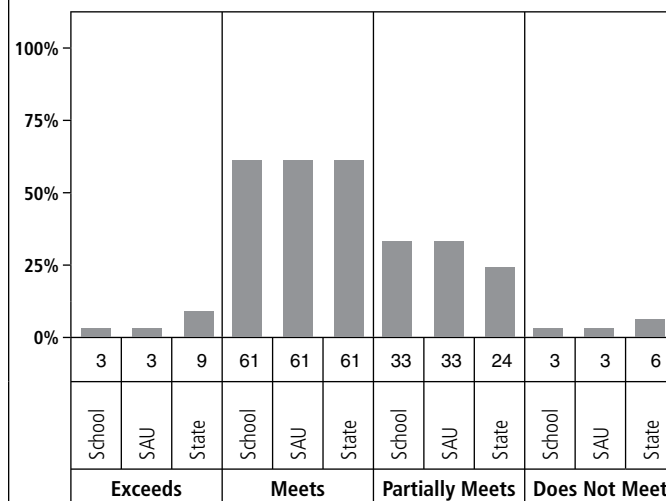
SUMMARY OF SCORES

Test Date: March 2009
 Grade: 6
 SAU: Southern Aroostook CSD
 School: SO Aroostook CSD School

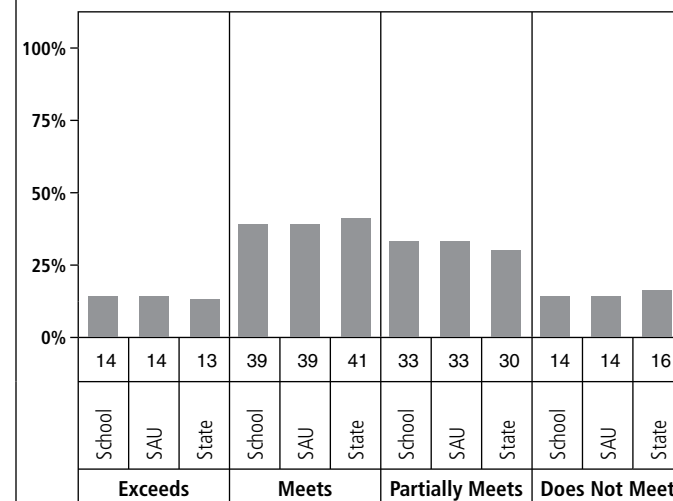
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	642	642	646
2007–2008	647	647	648
2008–2009	645	645	647
Cum. Avg.*	645	645	647
Mathematics			
2006–2007	637	637	643
2007–2008	645	645	642
2008–2009	645	645	643
Cum. Avg.*	642	642	643

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 6
SAU: Southern Aroostook CSD
School: SO Aroostook CSD School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	36	100	36	100	14251	100	36	100	36	100	14150	99	36	100	36	100	14156	100						
Ethnicity African American/Black	0	0	0	0	421	3	0	0	0	0	412	98	0	0	0	0	415	99						
American Indian or Native Alaskan	1	3	1	3	128	1	1	100	1	100	127	99	1	100	1	100	128	100						
Asian or Pacific Islander	0	0	0	0	212	1	0	0	0	0	210	99	0	0	0	0	212	100						
Hispanic	1	3	1	3	181	1	1	100	1	100	177	98	1	100	1	100	178	99						
Caucasian/White	34	94	34	94	13309	93	34	100	34	100	13224	100	34	100	34	100	13223	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	3	8	3	8	2468	17	3	100	3	100	2423	99	3	100	3	100	2426	99						
Current LEP	0	0	0	0	341	2	0	0	0	0	330	97	0	0	0	0	338	99						
Economically disadvantaged	24	67	24	67	5780	41	24	100	24	100	5724	99	24	100	24	100	5725	99						
Migrant	0	0	0	0	4	0	0	0	0	0	4	100	0	0	0	0	4	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	24	67	24	67	11369	80	24	67	24	67	11373	80						
Identified disability (PET/IEP)	0	0	0	0	355	3	0	0	0	0	371	3						
LEP	0	0	0	0	167	1	0	0	0	0	170	1						
504 plan	0	0	0	0	172	2	0	0	0	0	175	2						
Participation with accommodations	12	33	12	33	2594	18	12	33	12	33	2605	18						
Identified disability (PET/IEP)	3	25	3	25	1881	73	3	25	3	25	1877	72						
LEP	0	0	0	0	155	6	0	0	0	0	161	6						
504 plan	0	0	0	0	74	3	0	0	0	0	71	3						
Other	9	75	9	75	519	20	9	75	9	75	532	20						
Participation through alternate assessment (PAAP)	0	0	0	0	187	1	0	0	0	0	178	1						
Identified disability (PET/IEP)	0	0	0	0	187	100	0	0	0	0	178	100						
LEP	0	0	0	0	8	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	26	0	0	0	0	0	25	0						
Non-participation – other	0	0	0	0	75	1	0	0	0	0	70	0						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 6
SAU: Southern Aroostook CSD
School: SO Aroostook CSD School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 662–680)	2006-2007	1	4	1	4	1132	8
	2007-2008	1	5	1	5	1817	13
	2008-2009	1	3	1	3	1309	9
	Cum. Total*	3	4	3	4	4258	10
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 642–660)	2006-2007	15	54	14	52	8127	57
	2007-2008	15	71	15	71	8072	57
	2008-2009	22	61	22	61	8564	61
	Cum. Total*	52	61	51	61	24763	59
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 630–640)	2006-2007	8	29	8	30	3549	25
	2007-2008	4	19	4	19	3194	23
	2008-2009	12	33	12	33	3291	24
	Cum. Total*	24	28	24	29	10034	24
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 600–628)	2006-2007	4	14	4	15	1478	10
	2007-2008	1	5	1	5	981	7
	2008-2009	1	3	1	3	799	6
	Cum. Total*	6	7	6	7	3258	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	32.0	57.1	32.0	57.1	33.8	60.4
A1/A2 Interconnected Elements/Literary Text	20	36	11.1	55.5	11.1	55.5	11.9	59.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	20.9	58.1	20.9	58.1	21.9	60.8

The MEA assesses students’ reading skills based on questions related to three types of reading passages: literary, informational, and persuasive. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 6
 SAU: Southern Aroostook CSD
 School: SO Aroostook CSD School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	36	1	3	22	61	12	33	1	3	645	36	3	61	33	3	645	13963	9	61	24	6	647
Ethnicity																						
African American/Black	0										0						403	5	46	34	15	641
American Indian or Native Alaskan	1										1						125	4	49	38	10	642
Asian or Pacific Islander	0										0						206	18	56	20	6	649
Hispanic	1										1						174	5	55	33	7	644
Caucasian/White	34	1	3	21	62	11	32	1	3	645	34	3	62	32	3	645	13055	9	62	23	5	647
Not Reported	0										0						0					
Identified disability																						
Yes	3										3						2236	1	30	48	22	637
No	33	1	3	21	64	11	33	0	0	645	33	3	64	33	0	645	11727	11	67	19	3	649
Current LEP																						
Yes	0										0						322	2	39	37	21	638
No	36	1	3	22	61	12	33	1	3	645	36	3	61	33	3	645	13641	10	62	23	5	647
Economically disadvantaged																						
Yes	24	0	0	14	58	9	38	1	4	643	24	0	58	38	4	643	5617	4	54	33	9	643
No	12	1	8	8	67	3	25	0	0	648	12	8	67	25	0	648	8346	13	66	17	3	650
Migrant																						
Yes	0										0						4					
No	36	1	3	22	61	12	33	1	3	645	36	3	61	33	3	645	13959	9	61	24	6	647
Gender																						
Female	22	1	5	14	64	7	32	0	0	646	22	5	64	32	0	646	6743	13	63	20	4	649
Male	14	0	0	8	57	5	36	1	7	643	14	0	57	36	7	643	7220	6	60	27	7	645
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1408	4	41	43	12	641
No	36	1	3	22	61	12	33	1	3	645	36	3	61	33	3	645	12555	10	64	21	5	648
Gifted/talented program																						
Yes	0										0						636	39	59	2	0	659
No	36	1	3	22	61	12	33	1	3	645	36	3	61	33	3	645	13327	8	61	25	6	647

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 6
SAU: Southern Aroostook CSD
School: SO Aroostook CSD School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	8	0	0	2	67	1	33	0	0	647	8	0	67	33	0	647	6	5	47	32	16	642
B. less than one hour	47	1	6	11	65	4	24	1	6	646	47	6	65	24	6	646	59	9	62	24	5	647
C. one to two hours	39	0	0	8	57	6	43	0	0	643	39	0	57	43	0	643	32	11	64	21	4	648
D. more than two hours	6	0	0	1	50	1	50	0	0	641	6	0	50	50	0	641	3	10	50	26	13	644
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	23	1	13	5	63	2	25	0	0	647	23	13	63	25	0	647	31	17	66	14	3	651
B. good	57	0	0	14	70	6	30	0	0	645	57	0	70	30	0	645	48	8	64	23	5	647
C. fair	20	0	0	2	29	4	57	1	14	639	20	0	29	57	14	639	18	2	48	40	10	641
D. poor	0										0						2	1	34	47	18	638
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	42	0	0	11	73	4	27	0	0	645	42	0	73	27	0	645	38	13	65	18	3	650
B. They match some of what I have learned.	56	1	5	11	55	7	35	1	5	645	56	5	55	35	5	645	49	8	63	24	5	647
C. They match just a little of what I have learned.	3	0	0	0	0	1	100	0	0	630	3	0	0	100	0	630	10	5	48	36	11	642
D. There is no match.	0										0						3	3	35	38	24	639
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	22	0	0	6	75	2	25	0	0	647	22	0	75	25	0	647	16	7	52	30	11	644
B. about the same as my regular schoolwork	69	0	0	15	60	9	36	1	4	644	69	0	60	36	4	644	66	10	64	22	4	648
C. easier than my regular schoolwork	8	1	33	1	33	1	33	0	0	645	8	33	33	33	0	645	17	11	61	22	5	648
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	3	0	0	0	0	1	100	0	0	630	3	0	0	100	0	630	10	2	39	42	17	639
B. Most of the passages were about the same as what I normally read.	58	0	0	13	62	8	38	0	0	645	58	0	62	38	0	645	55	6	62	27	5	646
C. Most of the passages were easier than what I normally read.	39	1	7	9	64	3	21	1	7	645	39	7	64	21	7	645	35	16	67	14	3	651
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	69	0	0	17	68	8	32	0	0	645	69	0	68	32	0	645	48	10	60	24	6	647
B. I tried about the same as I do on my regular schoolwork.	25	1	11	4	44	4	44	0	0	646	25	11	44	44	0	646	49	10	63	22	5	648
C. I did not try as hard on this test as I do on my regular schoolwork.	6	0	0	1	50	0	0	1	50	637	6	0	50	0	50	637	3	3	53	29	15	642
How much time do you spend reading at home each day?																						
A. more than one hour	19	1	14	4	57	2	29	0	0	645	19	14	57	29	0	645	23	15	65	16	4	650
B. 20 minutes to an hour	47	0	0	11	65	6	35	0	0	646	47	0	65	35	0	646	49	10	64	22	4	648
C. less than 20 minutes	22	0	0	6	75	2	25	0	0	646	22	0	75	25	0	646	11	6	58	29	7	645
D. I rarely read at home.	11	0	0	1	25	2	50	1	25	636	11	0	25	50	25	636	17	2	51	36	11	642
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 6
SAU: Southern Aroostook CSD
School: SO Aroostook CSD School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 662–680)	2006-2007	0	0	0	0	2092	15
	2007-2008	1	5	1	5	1474	10
	2008-2009	5	14	5	14	1807	13
	Cum. Total*	6	7	6	7	5373	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 642–660)	2006-2007	8	29	8	30	5731	40
	2007-2008	12	57	12	57	6008	43
	2008-2009	14	39	14	39	5662	41
	Cum. Total*	34	40	34	40	17401	41
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 628–640)	2006-2007	15	54	14	52	4175	29
	2007-2008	7	33	7	33	4244	30
	2008-2009	12	33	12	33	4219	30
	Cum. Total*	34	40	33	39	12638	30
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 600–626)	2006-2007	5	18	5	19	2308	16
	2007-2008	1	5	1	5	2346	17
	2008-2009	5	14	5	14	2290	16
	Cum. Total*	11	13	11	13	6944	16

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	31.6	56.4	31.6	56.4	30.6	54.6
A. Number	18	32	11.0	61.1	11.0	61.1	10.3	57.2
B. Data	12	21	7.4	61.7	7.4	61.7	6.6	55.0
C. Geometry	14	25	6.8	48.6	6.8	48.6	7.3	52.1
D. Algebra	12	21	6.4	53.3	6.4	53.3	6.5	54.2

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 6
 SAU: Southern Aroostook CSD
 School: SO Aroostook CSD School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	36	5	14	14	39	12	33	5	14	645	36	14	39	33	14	645	13978	13	41	30	16	643
Ethnicity																						
African American/Black	0										0						406	4	26	36	34	633
American Indian or Native Alaskan	1										1						126	4	29	40	28	635
Asian or Pacific Islander	0										0						208	18	47	23	12	647
Hispanic	1										1						175	5	31	41	23	638
Caucasian/White	34	5	15	13	38	12	35	4	12	645	34	15	38	35	12	645	13063	13	41	30	16	643
Not Reported	0										0						0					
Identified disability																						
Yes	3										3						2248	3	18	33	46	629
No	33	4	12	14	42	11	33	4	12	645	33	12	42	33	12	645	11730	15	45	30	11	646
Current LEP																						
Yes	0										0						331	3	22	35	40	631
No	36	5	14	14	39	12	33	5	14	645	36	14	39	33	14	645	13647	13	41	30	16	643
Economically disadvantaged																						
Yes	24	3	13	8	33	9	38	4	17	642	24	13	33	38	17	642	5620	6	33	37	25	637
No	12	2	17	6	50	3	25	1	8	649	12	17	50	25	8	649	8358	18	45	26	11	647
Migrant																						
Yes	0										0						4					
No	36	5	14	14	39	12	33	5	14	645	36	14	39	33	14	645	13974	13	41	30	16	643
Gender																						
Female	22	3	14	7	32	7	32	5	23	642	22	14	32	32	23	642	6738	12	40	32	16	642
Male	14	2	14	7	50	5	36	0	0	649	14	14	50	36	0	649	7240	14	41	29	16	644
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1410	3	24	41	32	634
No	36	5	14	14	39	12	33	5	14	645	36	14	39	33	14	645	12568	14	42	29	15	644
Gifted/talented program																						
Yes	0										0						637	65	32	3	0	665
No	36	5	14	14	39	12	33	5	14	645	36	14	39	33	14	645	13341	10	41	31	17	642

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 6

SAU: Southern Aroostook CSD

School: SO Aroostook CSD School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N													
How much homework do you do on school nights?																						
A. none	8	0	0	2	67	1	33	0	0	642	8	0	67	33	0	642	6	7	32	28	32	636
B. less than one hour	47	1	6	9	53	5	29	2	12	645	47	6	53	29	12	645	59	13	41	30	16	643
C. one to two hours	39	4	29	3	21	4	29	3	21	646	39	29	21	29	21	646	32	14	41	31	14	644
D. more than two hours	6	0	0	0	0	2	100	0	0	639	6	0	0	100	0	639	3	11	31	33	26	639
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	33	1	8	9	75	2	17	0	0	652	33	8	75	17	0	652	30	27	45	18	9	651
B. good	47	3	18	3	18	6	35	5	29	639	47	18	18	35	29	639	46	9	45	31	15	643
C. fair	19	1	14	2	29	4	57	0	0	645	19	14	29	57	0	645	20	2	29	43	26	635
D. poor	0										0						4	1	15	46	38	630
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	53	3	16	9	47	5	26	2	11	647	53	16	47	26	11	647	35	18	42	27	13	646
B. They match some of what I have learned.	39	2	14	5	36	5	36	2	14	644	39	14	36	36	14	644	50	11	43	31	15	643
C. They match just a little of what I have learned.	8	0	0	0	0	2	67	1	33	633	8	0	0	67	33	633	13	8	31	36	26	638
D. There is no match.	0										0						3	5	16	27	51	628
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	17	0	0	4	67	1	17	1	17	648	17	0	67	17	17	648	32	7	40	34	20	640
B. about the same as my regular schoolwork	78	5	18	8	29	11	39	4	14	644	78	18	29	39	14	644	56	13	42	30	15	644
C. easier than my regular schoolwork	6	0	0	2	100	0	0	0	0	646	6	0	100	0	0	646	12	31	36	20	13	650
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	64	1	4	10	43	7	30	5	22	640	64	4	43	30	22	640	51	11	41	31	16	643
B. I tried about the same as I do on my regular schoolwork.	31	4	36	2	18	5	45	0	0	653	31	36	18	45	0	653	45	15	41	29	16	644
C. I did not try as hard on this test as I do on my regular schoolwork.	6	0	0	2	100	0	0	0	0	647	6	0	100	0	0	647	4	12	28	32	28	638
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	3	0	0	0	0	1	100	0	0	632	3	0	0	100	0	632	6	8	29	29	34	635
B. 30–45 minutes	3	0	0	1	100	0	0	0	0	652	3	0	100	0	0	652	33	10	37	34	19	641
C. 45–60 minutes	19	2	29	2	29	3	43	0	0	652	19	29	29	43	0	652	45	15	44	29	12	645
D. more than 60 minutes	75	3	11	11	41	8	30	5	19	643	75	11	41	30	19	643	16	15	41	28	16	644
How often do you use calculators in mathematics class?																						
A. almost every day	14	0	0	5	100	0	0	0	0	650	14	0	100	0	0	650	9	14	35	29	22	641
B. two or three days a week	33	1	8	4	33	6	50	1	8	643	33	8	33	50	8	643	26	15	40	30	16	644
C. two or three times each month	36	3	23	3	23	4	31	3	23	644	36	23	23	31	23	644	31	13	43	30	14	644
D. never or almost never	17	1	17	2	33	2	33	1	17	646	17	17	33	33	17	646	34	11	40	31	18	642
How often do you use hands-on materials in mathematics class?																						
A. almost every day	8	0	0	1	33	0	0	2	67	627	8	0	33	0	67	627	17	8	35	33	24	639
B. two or three days a week	28	3	30	2	20	4	40	1	10	648	28	30	20	40	10	648	28	13	42	30	15	643
C. two or three times each month	36	2	15	6	46	4	31	1	8	648	36	15	46	31	8	648	31	15	43	30	13	645
D. never or almost never	28	0	0	5	50	4	40	1	10	642	28	0	50	40	10	642	23	14	39	30	17	643
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											